

INTERNATIONAL SEARCH REPORT

International application No.:

PCT/PT 03/00589

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C10M 101/04, C10M 129/68, C10M 143/08 // B26D 7/08, A21C 15/04
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C10M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, CAPLUS, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002006519 A1 (JAMES R. ANGLIN ET AL), 17 January 2002 (17.01.02), sections 0018, 0017, 0020 and 0021 --	1
A	US 4753742 A (ROBERT O. WILHELM, JR.), 28 June 1988 (28.06.88) --	1-10
A	US 5451334 A (FRANK BONGARDT ET AL), 19 Sept 1995 (19.09.95) --	1-10
A	DE 2904827 A1 (GRONEWEG, HORST), 14 August 1980 (14.08.80) --	1-10

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

24 November 2003

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Date of mailing of the international search report

25 -11- 2003

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/92 03/00589

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0312978 A2 (GEBRÜDER HERLITZIUS GMBH & CO KG), 26 April 1989 (26.04.89) --	1-10
A	DE 19721051 C1 (WABAMA GMBH SPEZIALFABRIK FÜR SCHNEIDEMASCHINEN), 2 July 1998 (02.07.98) -- -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

06/09/03

International application No.

PCT/FI 03/00589

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	2002006519	A1	17/01/02	NONE		
US	4753742	A	28/06/88	NONE		
US	5451334	A	19/09/95	BR	9007600 A	30/06/92
				CA	2065011 A	18/02/91
				DE	3927155 A	21/02/91
				DE	59003632 D	00/00/00
				EP	0486575 A,B	27/05/92
				SE	0486575 T3	
				ES	2060193 T	16/11/94
				JP	5503949 T	24/06/93
				WO	9102784 A	07/03/91
DE	2904827	A1	14/08/80	NONE		
EP	0312978	A2	26/04/89	AT	99122 T	15/01/94
				DE	3735725 C	13/04/89
DE	19721051	C1	02/07/98	EP	0878276 A,B	18/11/98